

*Cleaning Technology*

**Hako**  
*Clean ahead*

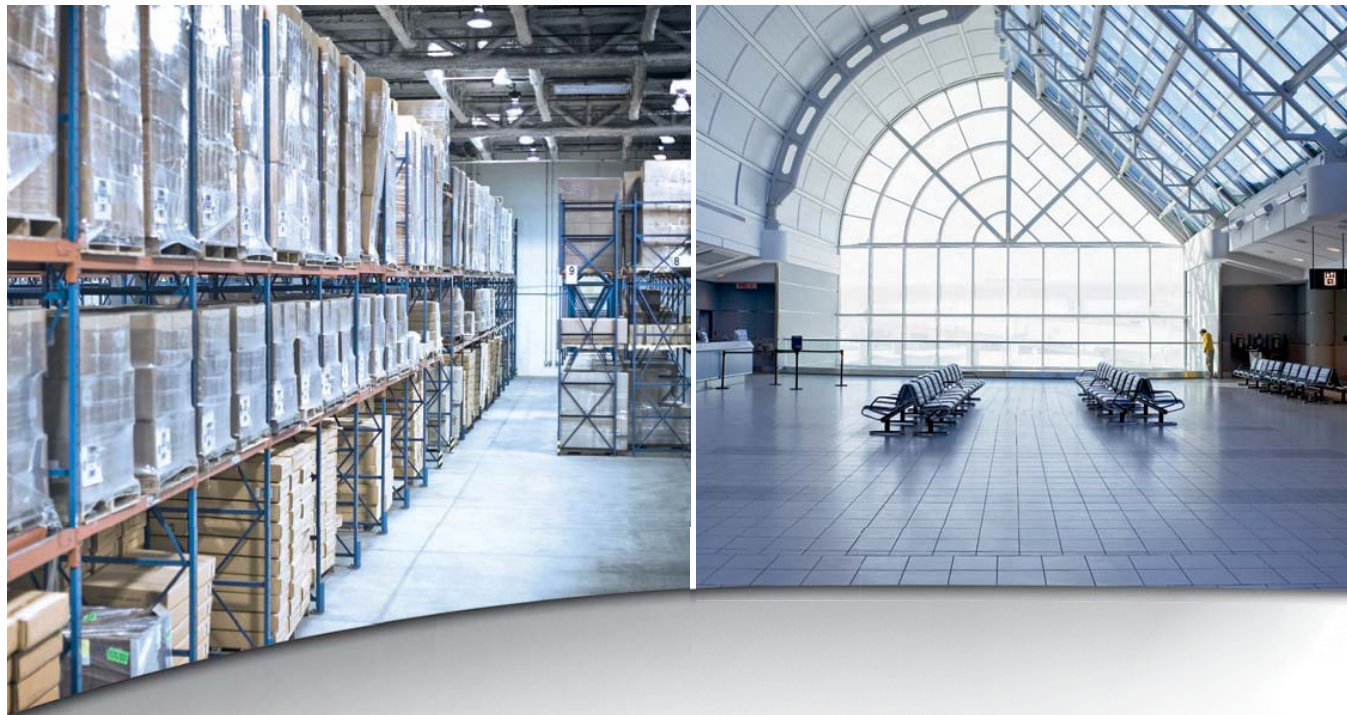


## *Hako-Jonas 900 / 980*

*For the efficient cleaning of medium-sized industrial premises*

Ride-on sweepers for up to 7,200 m<sup>2</sup>/h area coverage

## *Efficient sweeping – quick and clean*



### *Hako-Jonas 900/980 – simply efficient ...*



#### **Quality and reliability**

Regardless of the model you choose: the Hako-Jonas 900 or 980 ensures all sweeping tasks are completed reliably, economically and with the highest level of availability thanks to the quality made in Germany!

#### **Perfect sweeping results**

Maximally two side brooms can be fitted enabling thorough sweeping close to borders. They sweep the dirt towards the large cylindrical brush which, in turn, sweeps the dirt into the dirt hopper. A powerful suction turbine, equipped with a panel air filter with a filtration efficiency of over 99 % and patented Hako-R2S filter cleaning technology, ensures the air remains clean.

#### **Economic operation**

The heavy duty construction of the Hako-Jonas makes it particularly robust, ensuring it can cope with continuous operation. The generous dirt hopper volumes and long operating times enable uninterrupted work and optimal deployment of personnel. Added to that, a service-friendly design was considered an important factor during the construction phase. This has ensured that the well-arranged engine compartment is easily accessible for maintenance and service work. The cylindrical brush can be replaced quickly and without the need for any tools. This not only saves time but also contributes to a long service life and low overall operating costs. So, at the end of the day, it's not only well cleaned but also well saved!





Hako-Jonas 900 E



Hako-Jonas 980 EH

#### The optimum drive solution for every purpose

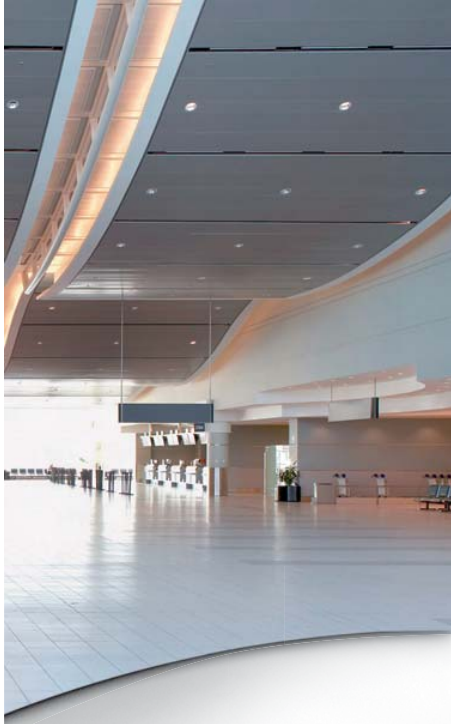
The range of sweeper vehicles from Hako ensures you have the right drive to cover the tasks you need to complete. Electrical drives with different battery systems are available for zero-emission, indoor deployment. Our high performance, quiet running, petrol-driven sweepers provide all the power you need for demanding outdoor work. The Hako-Jonas 980 models powered by the liquefied petroleum gas (LPG) option provide a particularly clean and efficient drive. Regardless of the drive type chosen,

operating times of up to 4.5 hours without interruption are possible. Depending on the model and equipment fitted, climbing capacities up to 20 % can be overcome. This means that there are sufficient power reserves available to clean ramps and driveways in multi-storey car parks, for example.



Hako-Jonas 900 sweeper vehicle

## Simply good



Hako-Jonas 900

### Hako-Jonas 900 – sweeping with no loss of performance

The Hako-Jonas 900 provides a sweeping performance for commercial needs at an attractive price linked with proven Hako quality. The degree of manoeuvrability combined with the large area coverage ensures cleaning medium-sized areas is easy and efficient. The particularly simple operational concept means that every user can operate the vehicle safely. The Hako Jonas 900 is available with an electric drive and various battery systems for emission-free indoor use (Jonas 900 E) and with a hydrostatic drive and speed regulated petrol engine (Jonas 900 V) for outdoor deployment.



### Take-it-Easy

The two dirt hoppers can be removed individually and emptied easily. The hopper lift lever, which is easy to operate, enables the fill level control to be controlled or larger pieces of debris to be thrown in at any time.

## Comfortable and convenient



Hako-Jonas 980 EH



### Hako-Jonas 980 – comfortable, convenient sweeping

Compared to the high sweeping performance of the Jonas 900, the Jonas 980 offers more equipment and comfort. More powerful drives, automated filter cleaning system and convenient options increase both deployment possibilities and efficiency. The Take-it-Easy dirt hopper system is fitted as a standard measure, the optional hydraulic high dump feature increases emptying convenience for larger machines in the compact class. In addition to a battery drive or combustion engine, the Jonas 980 can also be equipped with an LPG system. Fitted with a comfort seat, warning lights, vacuum cleaner (E version) or cab safety roof, for example, it can be tailor-made to fulfil your demands.



1



2

#### 1) Take-it-Easy

Convenient hopper system for manual emptying

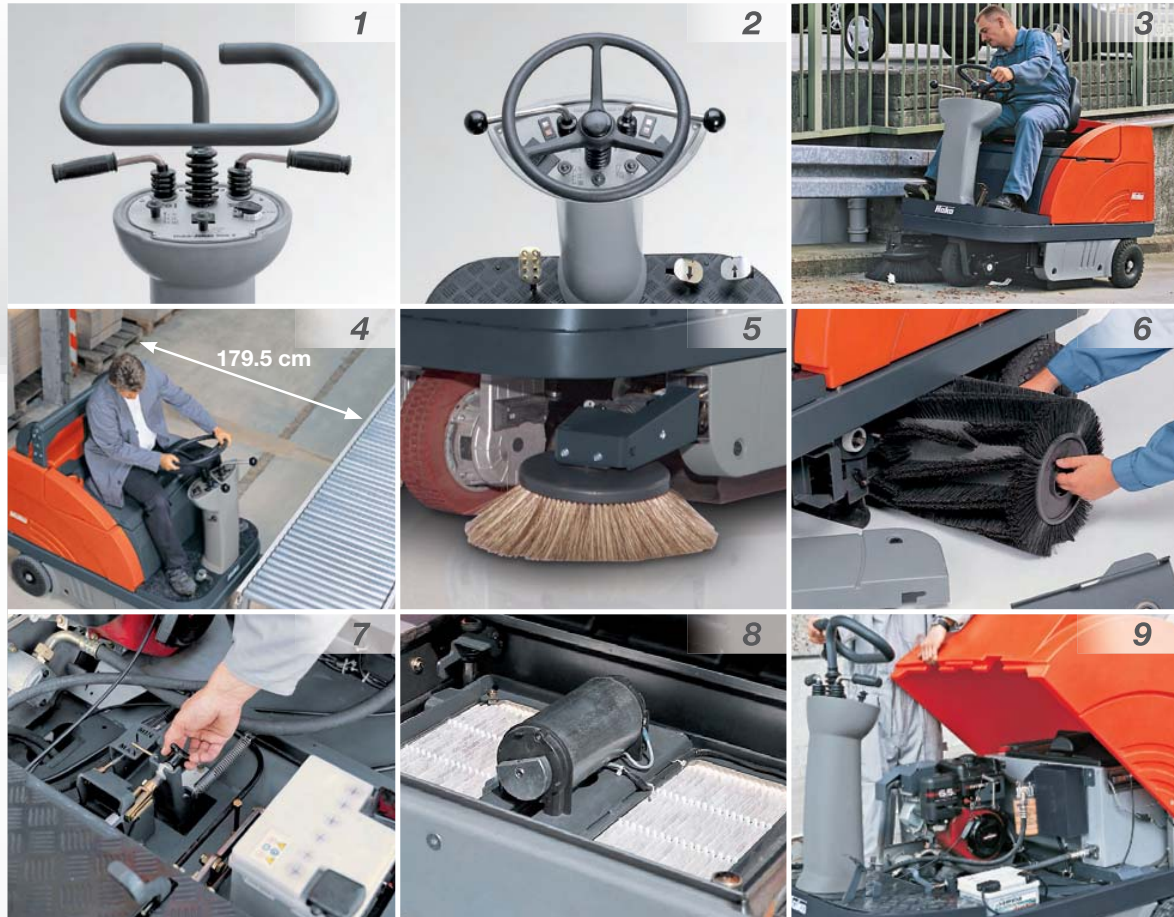
#### 2) Convenient high dump

The dirt hopper can be raised and emptied (option) into commercially available containers at the touch of a button



Well-conceived, down to the last detail

## The Hako-Jonas 900 and 980 convincing with numerous advantages



### 1) Jonas 900 workplace

Direct steering and easy operation

### 2) Jonas 980 workplace

Large steering wheel for easy steering, well-arranged, convenient operating elements

### 3) Driving safety

Work safety guaranteed: safe driving and grip at all times, even when negotiating ramps.

### 4) Manoeuvrability

Minimal turning circle for confined spaces

### 5) Second side broom

An additional, left-hand side broom increases efficiency and sweeping performance during operation

### 6) Changing cylindrical brush

Maintenance made easy: the cylindrical brush can be changed without any tools required

### 7) Brush adjustment

Central adjustment of the sweeping pattern without any tools

### 8) Filter

Easily accessible electrical resonance shaking system (Jonas 980: R2S resonance shaking system) for cleaning

### 9) Maintenance

Easy access for maintenance and adjustment work

## Hako-Jonas at a glance

	900 E	900 V	980 E	980 EH	980 V 980 V/VLPG	980 VH 980VH/LPG
Drive	Electric	Petrol	Electric	Electric	Petrol / LPG	Petrol / LPG
Power output (kW)	1,7	4,9	2,3	2,3	6,0	6,0
Sweeping and driving speed (km/h)	6,0	6,0	6,0	6,0	6,0	6,0
Climbing capacity (%)	12	12	20	20	20	20
Sweep width (cm)/ Coverage (m²/h)	70/ 4.200	70/ 4.200	70/ 4.200	70/ 4.200	70/ 4.200	70/ 4.200
... with 1 side broom (m²/h)	95/ 5.700	95/ 5.700	95/ 5.700	95/ 5.700	95/ 5.700	95/ 5.700
... with 2 side brooms (m²/h)	120/ 7.200	120/ 7.200	120/ 7.200	120/ 7.200	120/ 7.200	120/ 7.200
Dirt hopper volume (l)	2 x 30	2 x 30	2 x 30	75	2 x 30	75
Take-it-easy	●	●	●	–	●	–
High dump up to 135 cm	–	–	–	●	–	●
Panel air filter surface (m²)	3	3	3	3	3	3
Filtering efficiency (%)	> 99	> 99	> 99	> 99	> 99	> 99
Filter cleaning system	Electric	Electric	R2S (electronic)	R2S (electronic)	R2S (electronic)	R2S (electronic)
Weight, ready for operation (kg)	440	350	550	550	380	380
Length x Width (mm)	1.500 x 1.000	1.500 x 1.000	1.500 x 1.000	1.500 x 1.000	1.500 x 1.000	1.500 x 1.000
Height/with roof (mm)	1.330/–	1.330/–	1.300/2.000	1.300/2.000	1.300/2.000	1.300/2.000

We reserve the right to make technical improvements to machines with regard to shape, colour and design without notice. Illustrations could contain optional equipment.

## Investment in Hako pays dividends quickly

Every investment should bring a return. Your investment in Hako pays dividends after just a short time – through the robust quality and simple operation which prevent unwanted machine downtimes or through low operating costs throughout the vehicle's entire service life. Our range of services makes your success even more calculable.

Services, such as the Hako Full Service or Hako Service Contract, available at attractive conditions, enable you to calculate maintenance costs accurately and provide comprehensive machine cover and maximum availability at all times! Simply ask your Hako representatives – they are happy to assist!



#### Hako: environmentally friendly from the start

We want to leave the earth clean. Therefore, treating resources, the environment and climate with consideration influences all our business activities. This has been confirmed to us by independent institutes. More on our commitment can be found at [www.hako.com](http://www.hako.com)

#### Close to you wherever you are

Our unsurpassed, close knit sales and service network means we are always close by to provide help fast throughout Europe.

#### Cleanliness with safety

Our machines fulfil the highest demands. Reliability through quality "Made by Hako".

#### Sales, hire, leasing, rental

We can offer you a widerange of individual, attractive financing options.

#### We are there for you day and night

Round-the-clock service and express parts delivery ensure the highest levels of availability.



DIN EN ISO 9001  
DIN EN ISO 14001

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